

**Notice of Allowability**

Application No.

09/585,811

Applicant(s)

MELCHIONE, DANIEL JOSEPH

Examiner

Art Unit

Grigory Gurshman

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Appeal Brief filed 4/01/2005.
2. ☒ The allowed claim(s) is/are 1, 3-7, 9-18 and 24-29.
3. ☒ The drawings filed on 15 July 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

## **DETAILED ACTION**

### ***Allowable Subject Matter***

1. Claims 1, 3-7, 9-18, and 24-29 are allowed.
2. The following is an examiner's statement of reasons for allowance:
  - 2.1 Referring to the instant claims, Ranger discloses a system with content analysis provision (see abstract and Figs. 1 and 3). Ranger teaches providing content analysis through a content inspection mechanism, such as detection of a computer virus using a virus detection algorithm based on determining whether digital input information is encrypted. The content inspection mechanism analyzes decrypted content for such things as virus patterns, keywords, unknown program format, or any other content based criteria. The system generates a decryption request to decrypt encrypted digital input information prior to applying content analysis, such as virus detection. In response to the decryption request, the system decrypts the encrypted information prior to content analysis such as virus detection and applies a content analysis application, such as a virus detection algorithm (see abstract). Ranger teaches that the content inspection mechanism analyzes content for such things as virus patterns, keywords, unknown program format, clearance labels or any other content based criteria. The actions are selected based on the result of the inspection for example removal of a detected virus, filtering out programs of unknown format or non-approved formats, flagging files containing specific key words for additional scrutiny, or other desired action (see column 2, lines 28-38).

2.2 Referring to the instant claims, Ji discloses a virus detection and removal apparatus (see abstract). Ji teaches determining whether the file to be transferred is of a type that can contain viruses. This step is preferably performed by checking the extension of the file name. For example, .txt, .bmd, .pcx and .gif extension files indicate that the file is not likely to contain viruses while .exe, .zip, and .com extension files are of the type that often contain viruses (see column 7, lines 35-40).

3.3 However, neither Ranger nor Ji teach or suggest identifying the process(application program) accessing files. They do not teach performing the virus detection actions on the files being accessed by the process. Neither Ranger nor Ji, teach selecting the virus detection action selected based on the identity of the files being accessed and on the category of the process (application program) accessing the files.

4. In view of the reasons presented herein, claims 1, 3-7, 9-18, and 24-29 are in condition for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Grigory Gurshman whose telephone number is (571)272-3803. The examiner can normally be reached on 9 AM-5:30 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571)272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



GG

Grigory Gurshman  
Examiner  
Art Unit 2132



GILBERTO BARRON JR.  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100